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PATENT ABSTRACTS OF JAPAN(21) Application number: **07145387**(51) Intl. Cl.: **B01D 21/24 C02F 1/24**(22) Application date: **19.05.95**

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states:(71) Applicant: **HITACHI KIDEN KOGYO LTD**(72) Inventor: **NAKAYAMA YOSHIO**

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**(54) REMOVING DEVICE
FOR SCUM OF CIRCULAR
SEDIMENTATION BASIN**

(57) Abstract:

PURPOSE: To provide a removing device for scum of a circular sedimentation basin in which a sink-and-float type scum barrier plate is equipped in the radial direction from the scum box of the circular sedimentation basin to a center well and the scum barrier plate is sunk when a scum scraping plate is passed and floating scum is surely scraped and recovered into the scum box and discharged.

CONSTITUTION: This removing device for scum of a circular sedimentation basin is constituted of a central driving type scum scraper provided in the circular sedimentation basin 7 and a sink-and-float type scum barrier plate 5 which is provided from a scum box 3 to a center well 4 and inhibits floating scum. The circular sedimentation basin 7 is equipped with the center well 4 in the center and with the scum box 3 for discharging scum in the end of the basin. Furthermore, the shape

of the scum barrier plate 5 is tilted, so that it becomes low on the scraping-up side by the scum scraper and becomes high on the scraping-off side.

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